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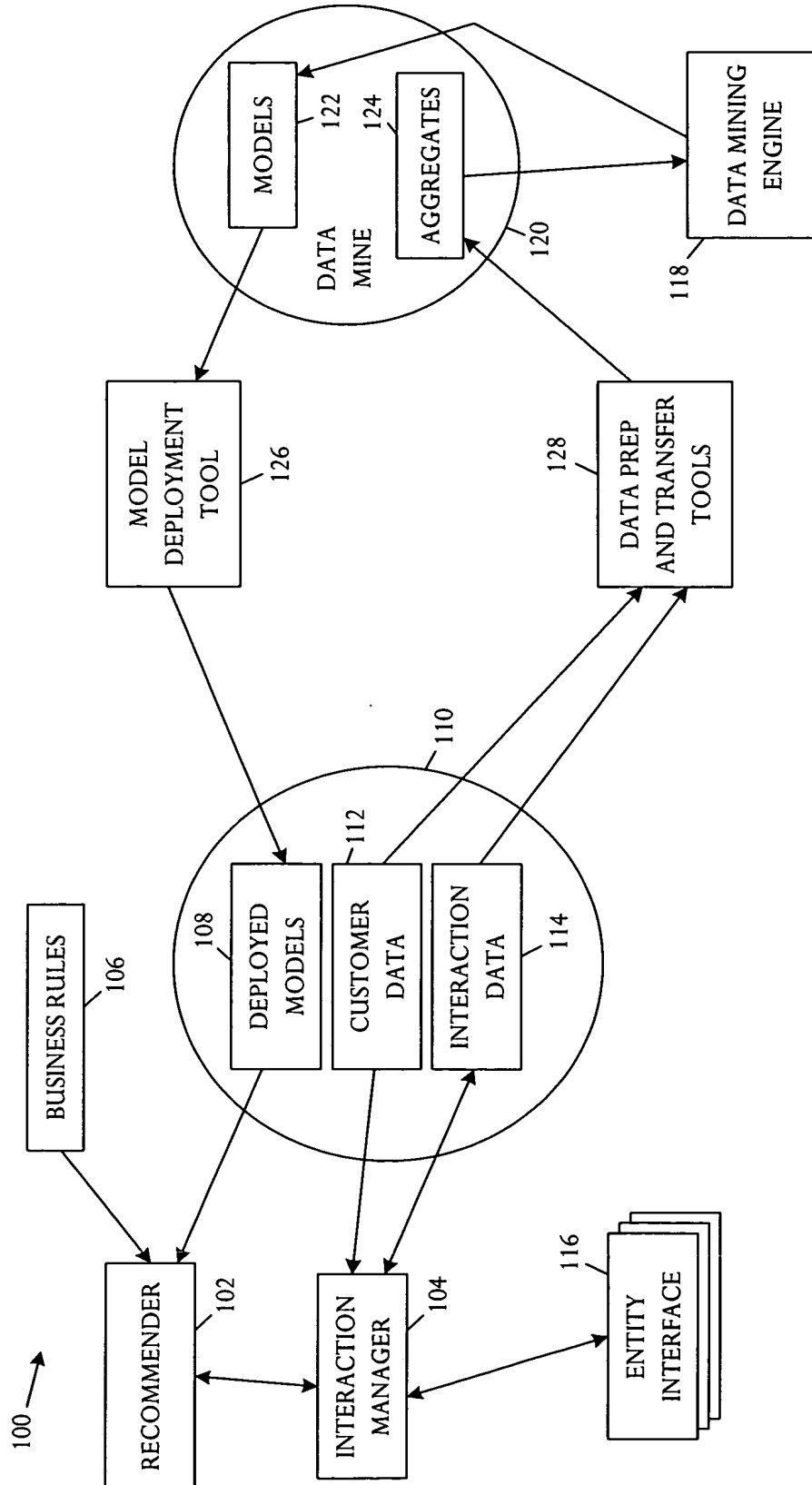


FIG. 1

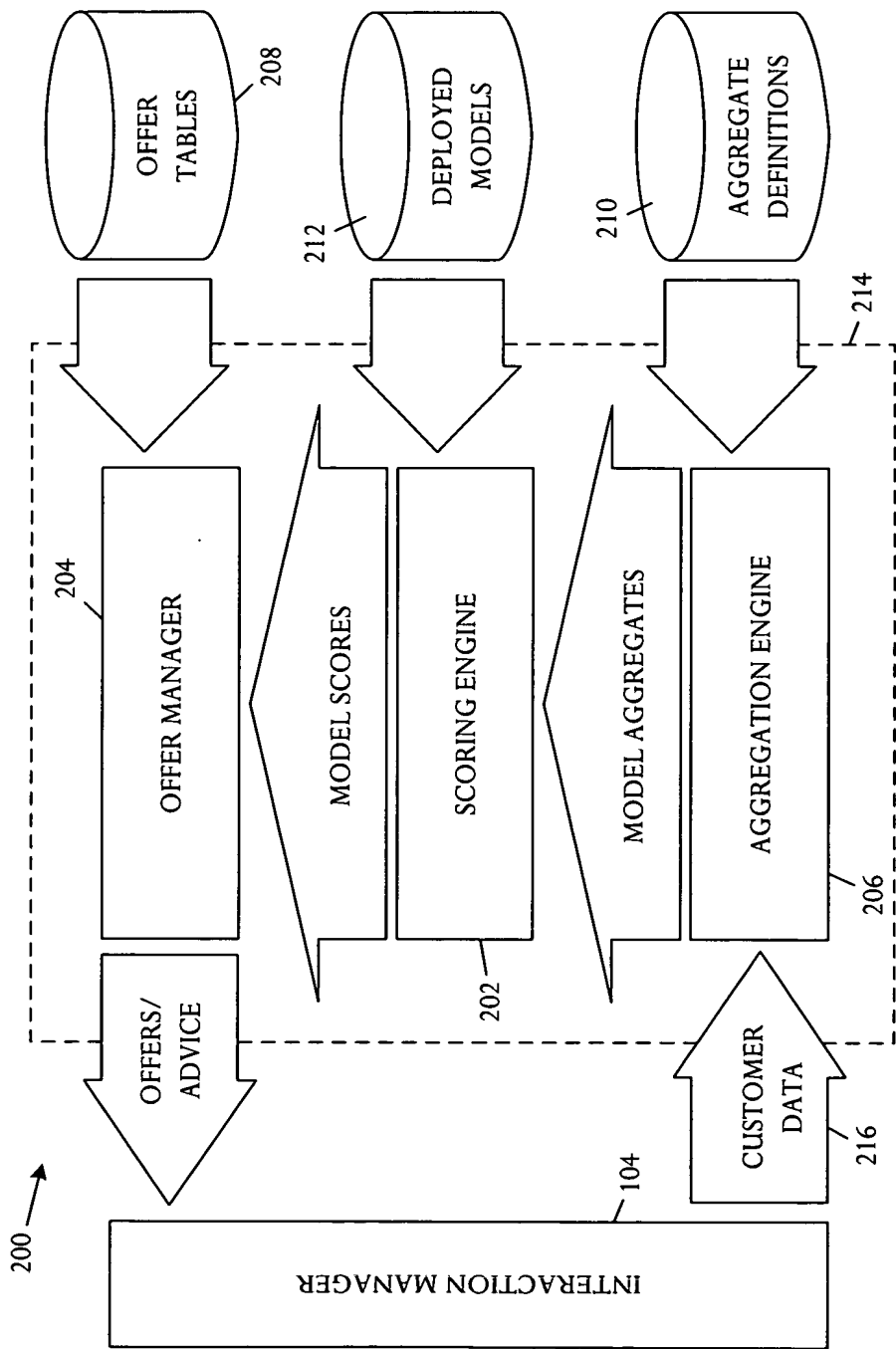


FIG. 2

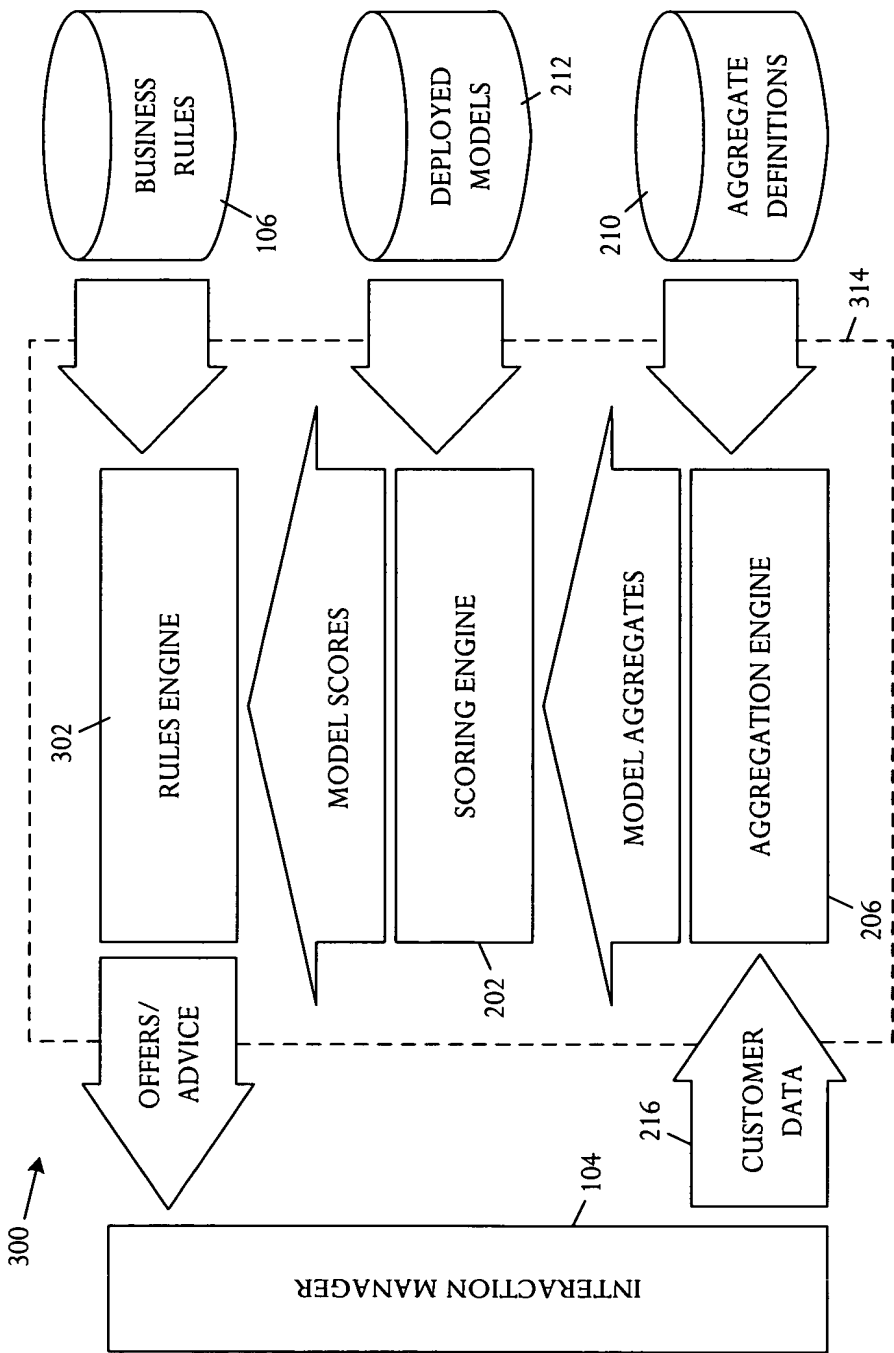


FIG. 3

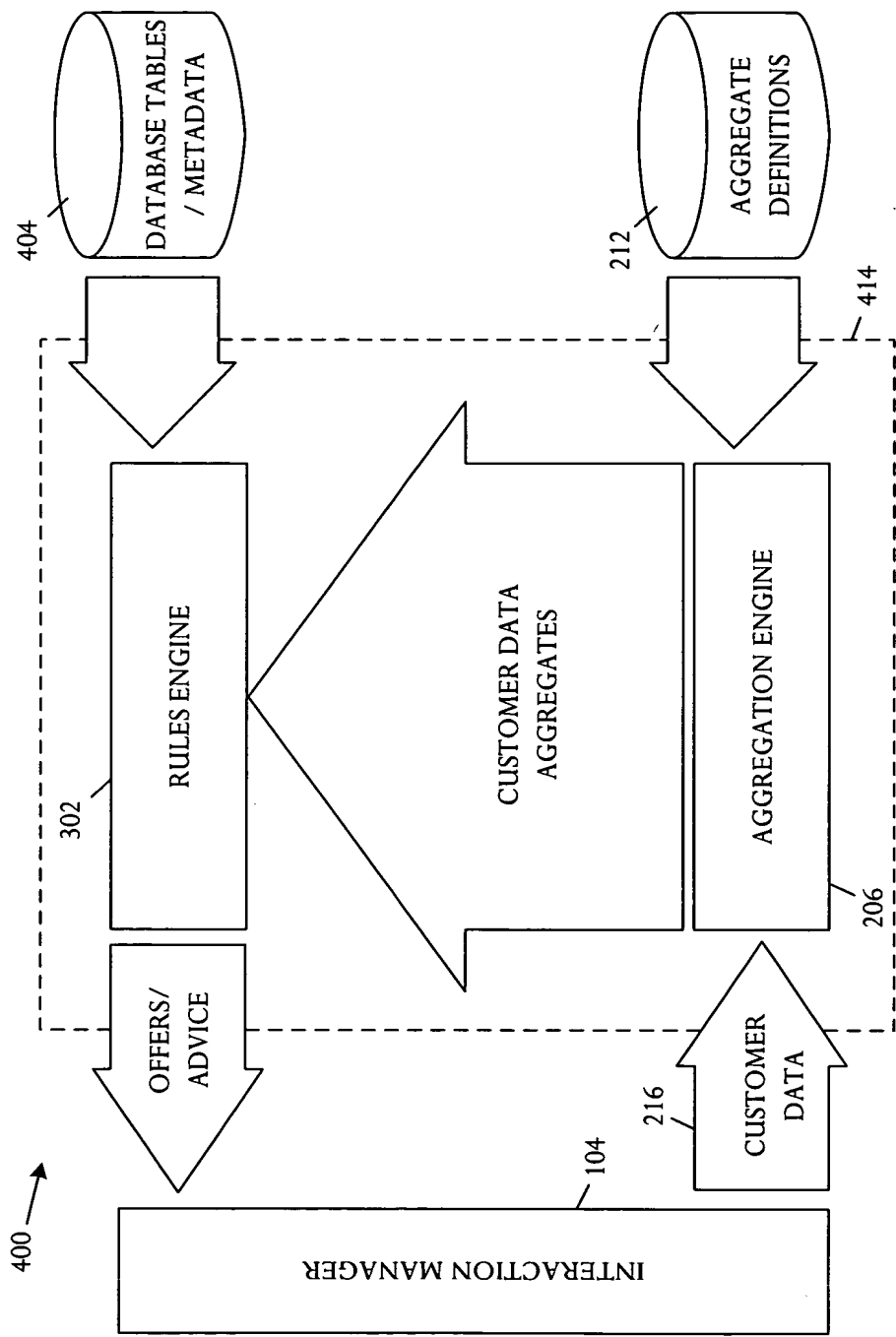
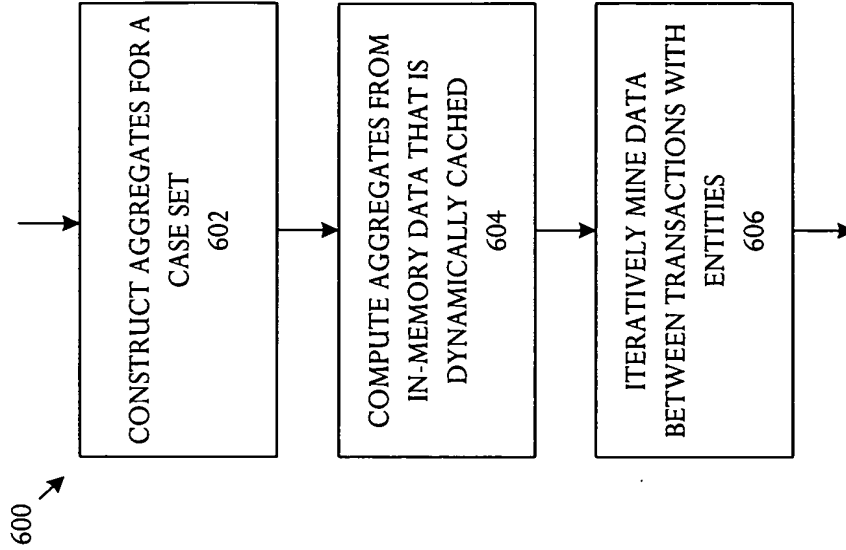
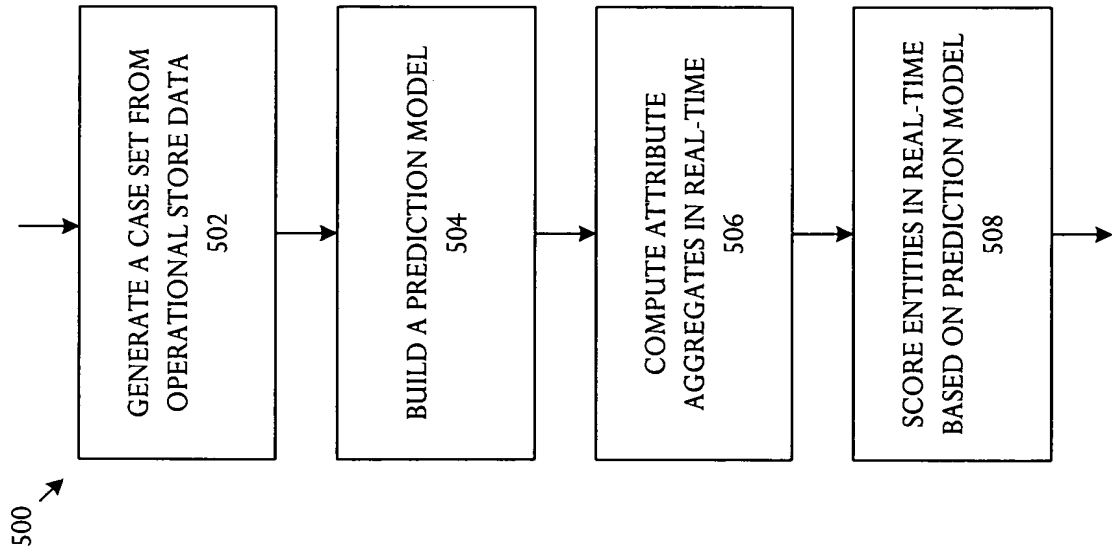
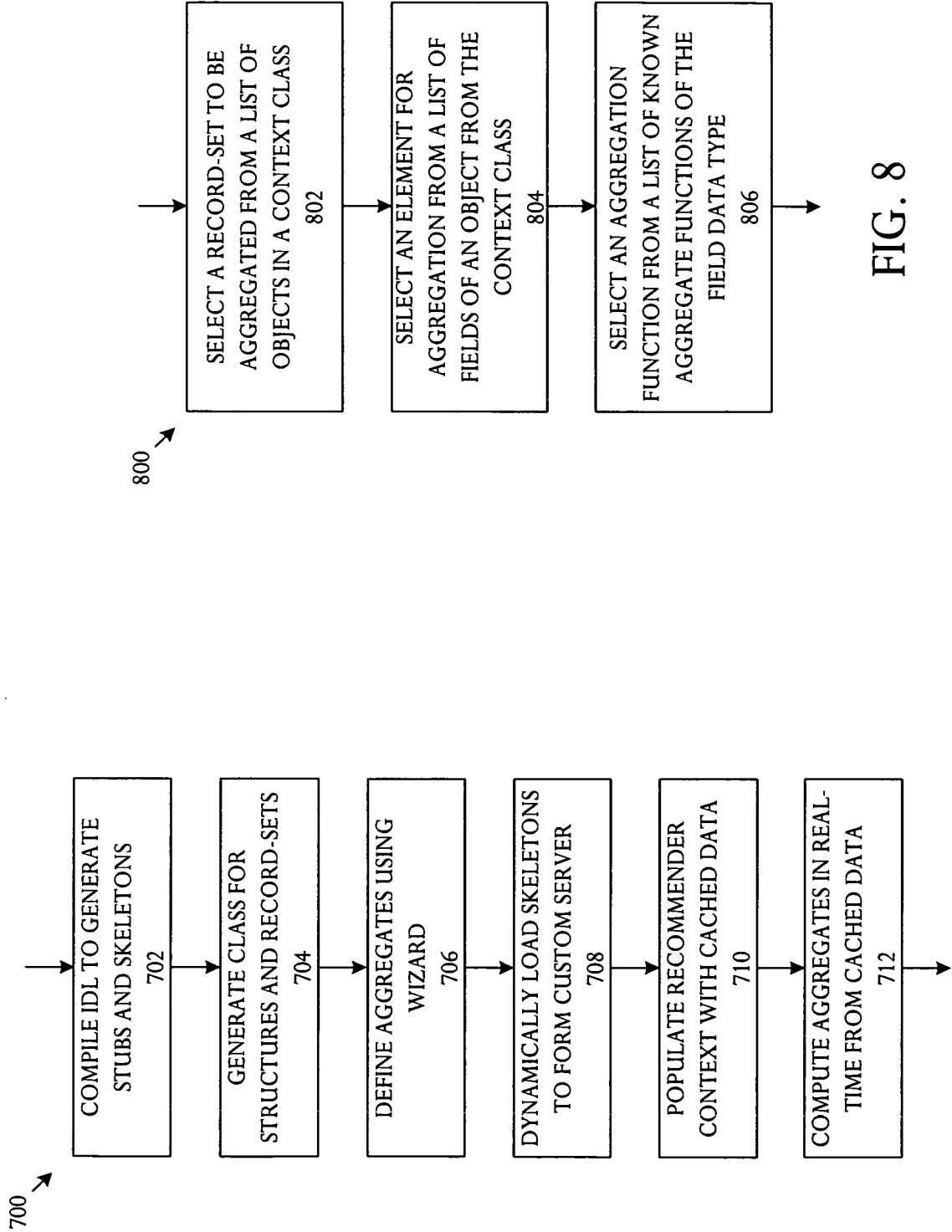


FIG. 4

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<input checked="" type="checkbox"/>	Define aggregate storesRefunded
	Select condition
Array refunds	
Element refundStoreID	
Function CountDistinct	
Elements of retail.Refund	
<none>	
purchaseAmount	
purchaseDate	
purchaseStoreID	
refundAmount	
refundDate	
refundStoreID	
<div>CancelPreviousNext</div>	

FIG. 9D

<input checked="" type="checkbox"/>	Define aggregate storesRefunded
	Select or type function
	CountDistinct
Array refunds	
Element refundStoreID	
Aggregate functions on String	
Count	
CountDistinct	
Max	
Min	
<div>CancelPreviousNext</div>	

FIG. 9C



Define aggregate storesRefunded		<input checked="" type="checkbox"/>
Select condition		
Array refunds		
Element refundStoreID	Function CountDistinct	<input checked="" type="checkbox"/>
Enter a value for refundAmount		
50.00		
OK		Cancel
Elements of retail.Refund	<none>	
purchaseAmount	=	
purchaseDate	!=	
purchaseStoreID	>	
refundAmount	>=	
refundDate	<	
refundStoreID	<=	
Cancel		Previous
		Next

FIG. 9F

Define aggregate storesRefunded		<input checked="" type="checkbox"/>
Select condition		
refundAmount		
Array refunds		
Element refundStoreID	Function CountDistinct	
Elements of retail.Refund	Conversions & operators for java.lang.Number	
<none>	=	
purchaseAmount	!=	
purchaseDate	>	
purchaseStoreID	>=	
refundAmount	<	
refundDate	<=	
refundStoreID		
Cancel		Previous
		Next

FIG. 9E

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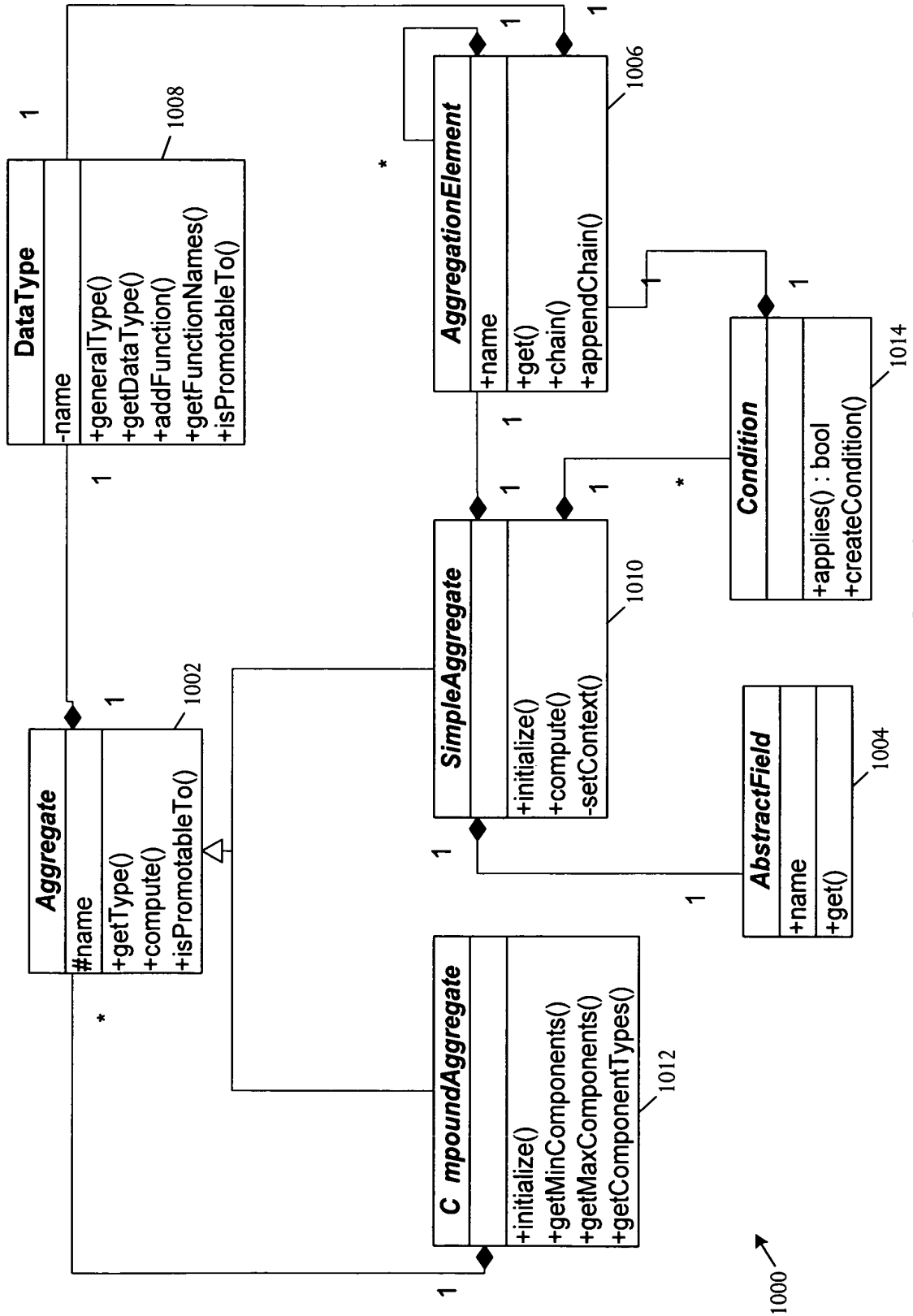


FIG. 10A

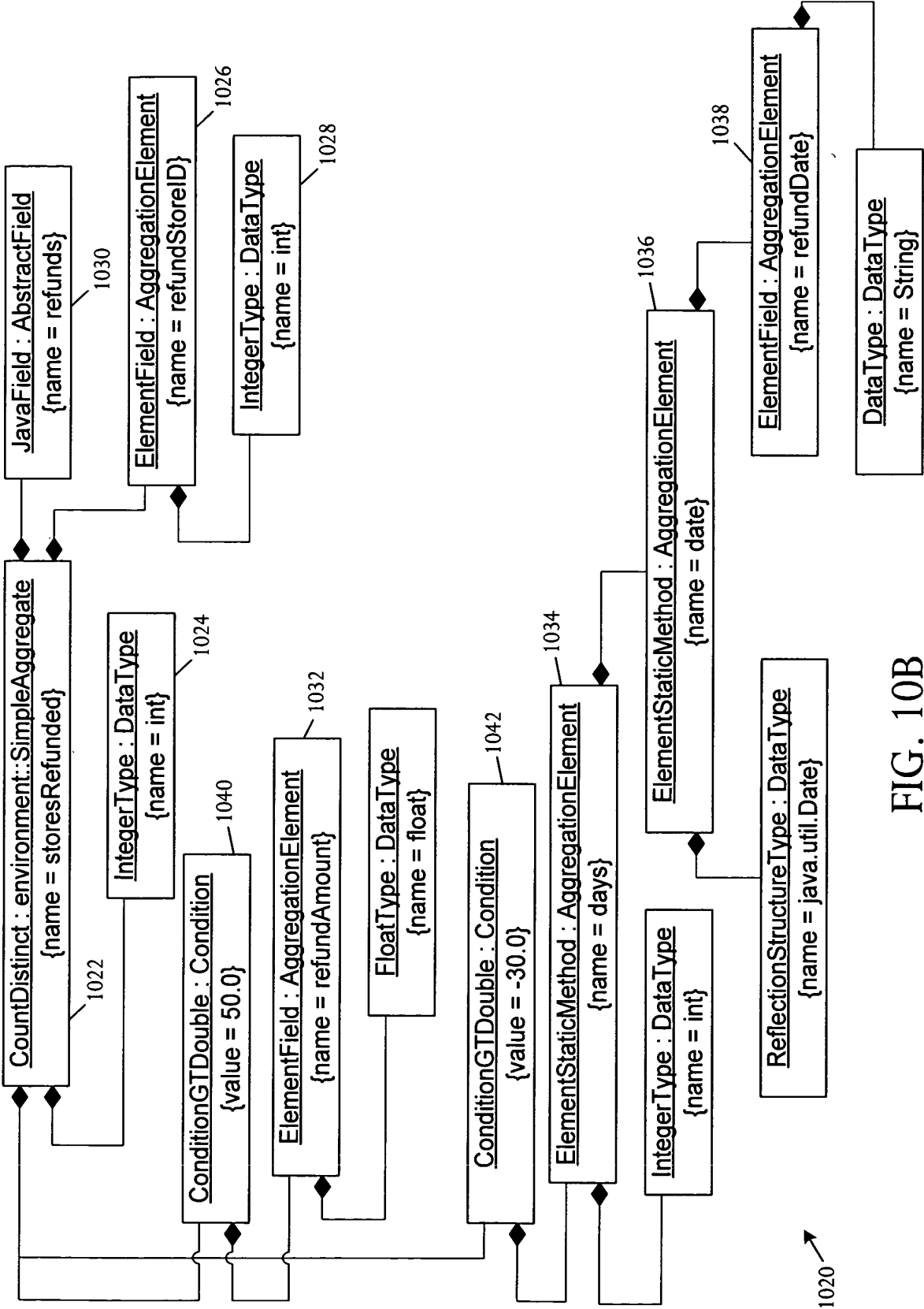


FIG. 10B

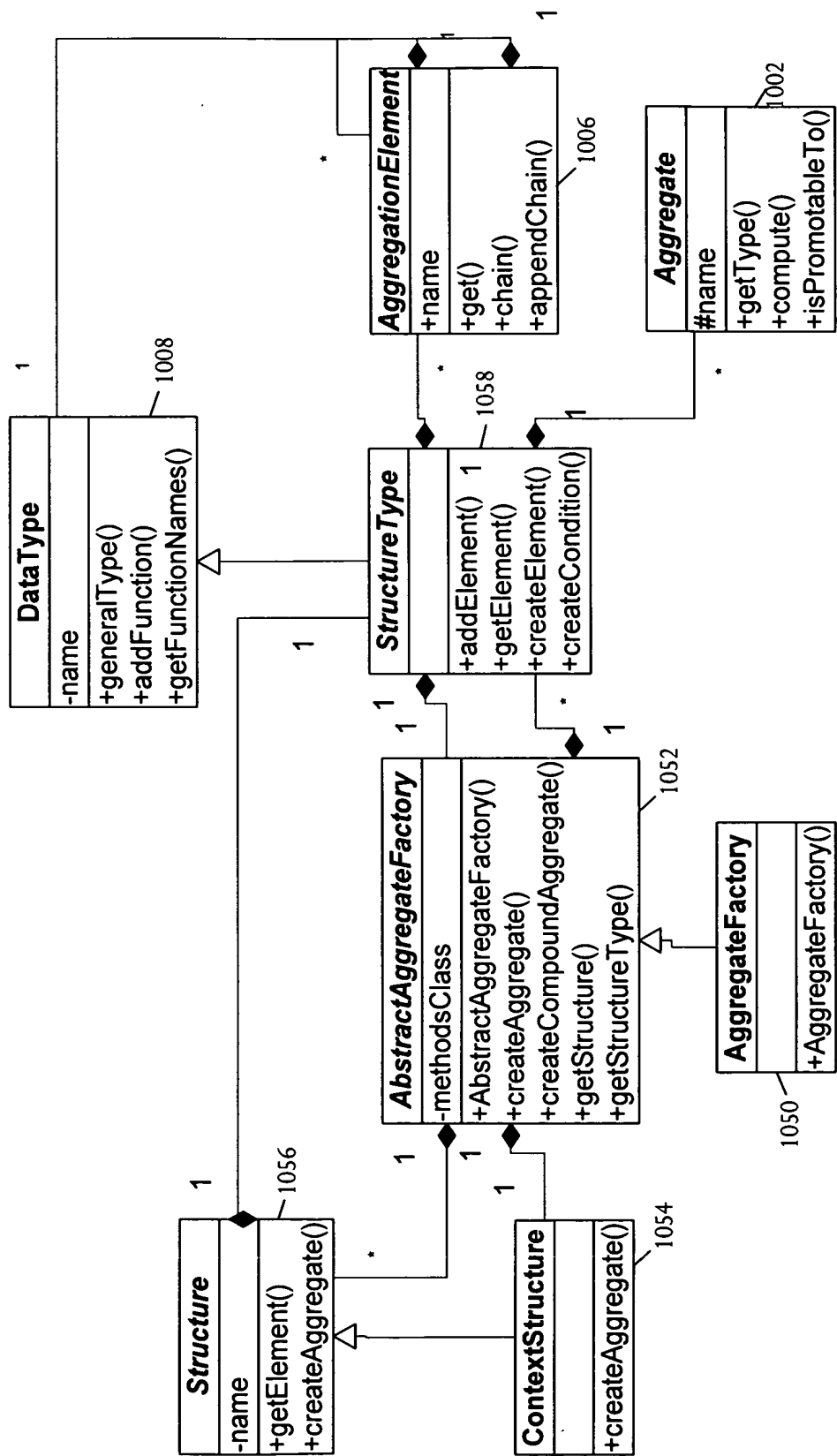


FIG. 10C

Title:

Real-Time Aggregation and Scoring in an  
Information Handling System

First Named Inventor:

Carr, Steven R.

Docket No.:

200313119-1

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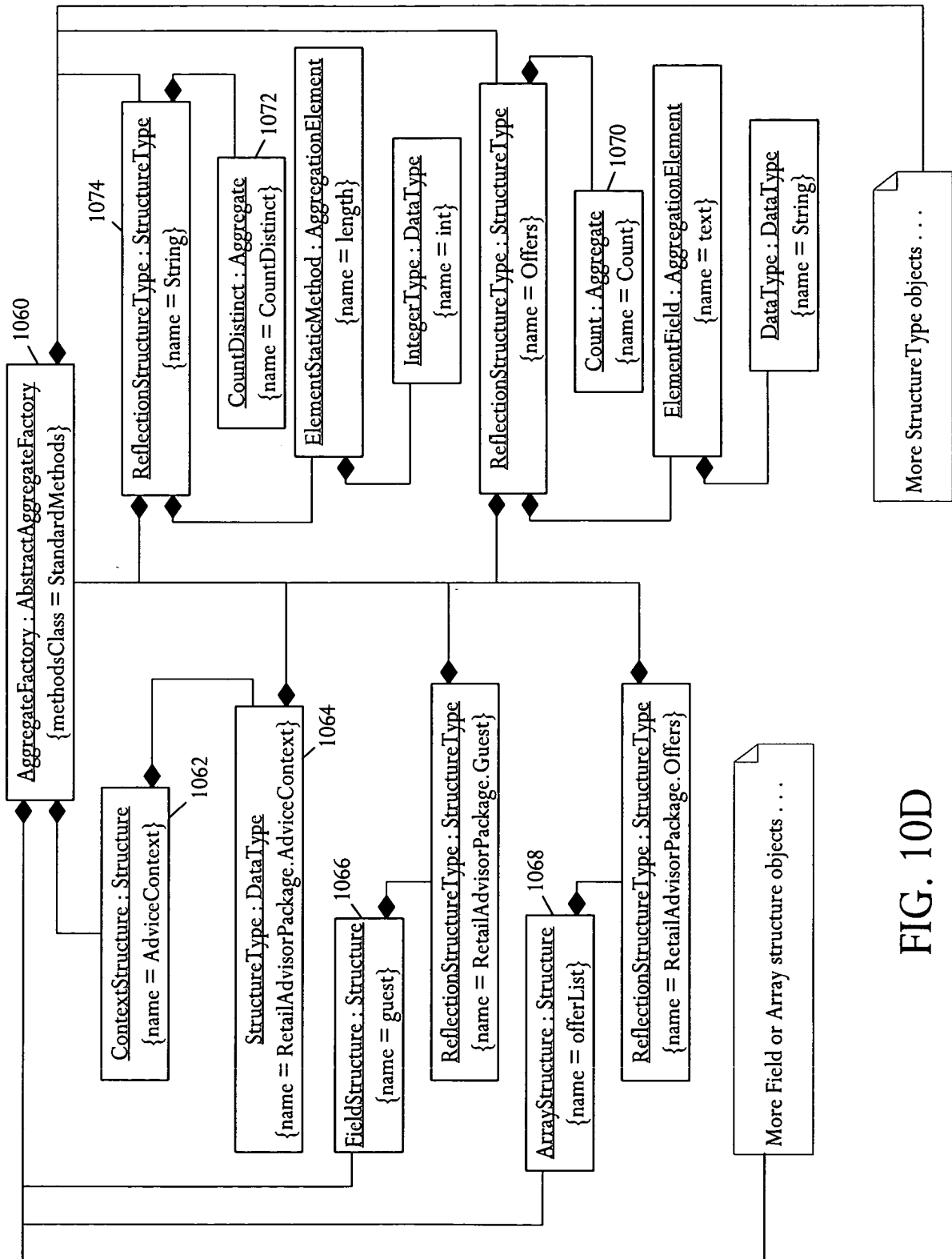


FIG. 10D

Define aggregate storesRefunded		<input checked="" type="checkbox"/>
Select condition		
refundDate.date		
Array refunds		
Element refundStoreID		
Function CountDistinct		
Condition refundAmount>50.0		
Elements of retail.Refund	Conversions & operators for java.util.Date	
<div>&lt;none&gt; purchaseAmount purchaseDate purchaseStoreID refundAmount refundDate refundStoreID</div>	<div>day days hours isWeekend minutes month seconds</div>	<div><input checked="" type="checkbox"/></div> <div><input checked="" type="checkbox"/></div>
<div>CancelPreviousNext</div>		

FIG. 11B

Define aggregate storesRefunded		<input checked="" type="checkbox"/>
Select condition		
refundDate		
Array refunds		
Element refundStoreID		
Function CountDistinct		
Condition refundAmount>50.0		
Elements of retail.Refund	Conversions & operators for java.lang.String	
<div>&lt;none&gt; purchaseAmount purchaseDate purchaseStoreID refundAmount refundDate refundStoreID</div>	<div>date = !=</div>	
<div>CancelPreviousNext</div>		

FIG. 11A

Define aggregate storesRefunded

☒

Select condition

refundDate.date.days

Array refunds

Element ref

User Input

☒

Enter value for refundDate.date.days

-30

OK

Cancel

Function C

Condition

Elements of retail.Refund

<none>

purchaseAmount

purchaseDate

purchaseStoreID

refundAmount

refundDate

refundStoreID

date

=

!=

>

>=

<

<=

Cancel

Previous

Next

FIG. 11C

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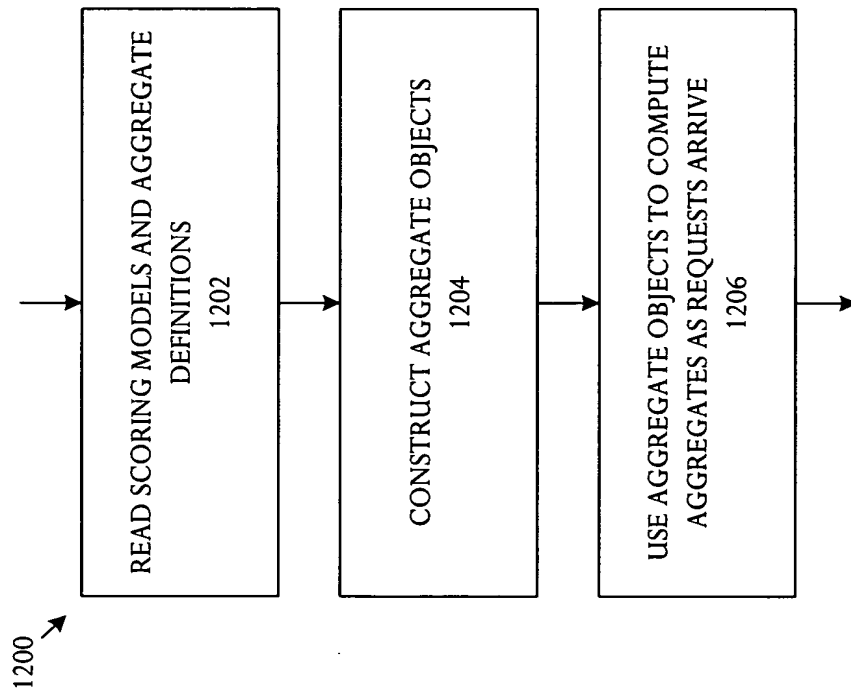


FIG. 12



Define aggregate purchaseItemsVariance	<input checked="" type="checkbox"/>
Select or type function	
Variance	
Array purchases Element numberOfItems	
Aggregate functions on int	
Count CountDistinct Max Mean Min Sum Variance	
<div>CancelPreviousNext</div>	

FIG. 13B

Define aggregate purchaseAmountVariance	<input checked="" type="checkbox"/>
Select or type function	
Variance	
Array purchases Element amount	
Aggregate functions on double	
Count CountDistinct Max Mean Min Sum	
<div>CancelPreviousNext</div>	

FIG. 13A